

# THE UNITED STATES OF AMERICA

TO ALL TO WHOM THESE PRESENTS SHALL COME:

**Florida Foundation Seed Producers, Inc.**

Whereas, THERE HAS BEEN PRESENTED TO THE  
**Secretary of Agriculture**

AN APPLICATION REQUESTING A CERTIFICATE OF PROTECTION FOR AN ALLEGED NOVEL VARIETY OF SEXUALLY REPRODUCED PLANT, THE NAME AND DESCRIPTION OF WHICH ARE CONTAINED IN THE APPLICATION AND EXHIBITS, A COPY OF WHICH IS HEREUNTO ANNEXED AND MADE A PART HEREOF, AND THE VARIOUS REQUIREMENTS OF LAW IN SUCH CASES MADE AND PROVIDED HAVE BEEN COMPLIED WITH, AND THE TITLE THERETO IS, FROM THE RECORDS OF THE PLANT VARIETY PROTECTION OFFICE, IN THE APPLICANT(S) INDICATED IN THE SAID COPY, AND WHEREAS, UPON DUE EXAMINATION MADE, THE SAID APPLICANT(S) IS (ARE) ADJUDGED TO BE ENTITLED TO A CERTIFICATE OF PLANT VARIETY PROTECTION UNDER THE LAW.

NOW, THEREFORE, THIS CERTIFICATE OF PLANT VARIETY PROTECTION IS TO GRANT UNTO THE SAID APPLICANT(S) AND THE SUCCESSORS, HEIRS OR ASSIGNS OF THE SAID APPLICANT(S) FOR THE TERM OF *seventeen* YEARS FROM THE DATE OF THIS GRANT, SUBJECT TO THE PAYMENT OF THE REQUIRED FEES AND PERIODIC REPLENISHMENT OF VIABLE BASIC SEED OF THE VARIETY IN A PUBLIC REPOSITORY AS PROVIDED BY LAW, THE RIGHT TO EXCLUDE OTHERS FROM SELLING THE VARIETY, OR OFFERING IT FOR SALE, OR REPRODUCING IT, OR IMPORTING IT, OR EXPORTING IT, OR USING IT IN PRODUCING A HYBRID OR DIFFERENT VARIETY THEREFROM, TO THE EXTENT PROVIDED BY THE PLANT VARIETY PROTECTION ACT. UNITED STATES SEED OF THIS VARIETY (1) SHALL BE SOLD BY VARIETY NAME ONLY AS OF CERTIFIED SEED AND (2) SHALL CONFORM TO THE NUMBER OF GENERATIONS OF THE OWNER OF THE RIGHTS. (84 STAT. 1542, AS AMENDED, 7 U.S.C. 2321 ET SEQ.)

PEANUT

'Early Bunch'

In Testimony Whereof, I have hereunto set  
my hand and caused the seal of the Plant  
Variety Protection Office to be affixed  
at the City of Washington  
this 27th day of October in  
the year of our Lord one thousand nine  
hundred and seventy-six

Attest:

*L. J. Rollins*  
Commissioner  
Plant Variety Protection Office  
Grain Division  
Agricultural Marketing Service

*John S. Luby*  
Secretary of Agriculture



## APPLICATION FOR PLANT VARIETY PROTECTION CERTIFICATE

INSTRUCTIONS: See Reverse.

1. VARIETY NAME OR TEMPORARY DESIGNATION <u>EARLY BUNCH UF70115</u> 10/22/76 JGH		2. KIND NAME Peanuts		FOR OFFICIAL USE ONLY PVPO NUMBER <u>7500062</u>	
3. GENUS AND SPECIES NAME <u>Arachis hypogaea</u>		4. FAMILY NAME (Botanical) Leguminosae		FILING DATE <u>2-28-75</u> TIME <u>9:00</u> A.M.	
		5. DATE OF DETERMINATION		FEE RECEIVED <u>\$ 750.00</u> CHARGES	
6. NAME OF APPLICANT(S) Florida Foundation Seed Producers, Inc.		7. ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code) P.O. Box 14006, University Station Gainesville, Florida 32601		8. TELEPHONE AREA CODE AND NUMBER 904-392-1821	
9. IF THE NAMED APPLICANT IS NOT A PERSON, FORM OF ORGANIZATION: (Corporation, partnership, association, etc.) Corporation		10. STATE OF INCORPORATION Florida		11. DATE OF INCORPORATION 1957	

12. Name and mailing address of applicant representative(s), if any, to serve in this application and receive all papers:

A. J. Oswald, Secretary-Treasurer-Manager  
Florida Foundation Seed Producers, Inc.  
P.O. Box 14006, University Station  
Gainesville, Florida 32601

## 13. CHECK BOX BELOW FOR EACH ATTACHMENT SUBMITTED:

- ☒ 12A. Exhibit A, Origin and Breeding History of the Variety (See Section 52, P.L. 91-577)
- ☒ 12B. Exhibit B, Botanical Description of the Variety
- ☒ 12C. Exhibit C, Objective Description of the Variety
- ☒ 12D. Exhibit D, Data Indicative of Novelty
- ☒ 12E. Exhibit E, Statement of the Basis of Applicant's Ownership

The applicant declares that a viable sample of basic seed of this variety will be deposited upon request before issuance of a certificate and will be replenished periodically in accordance with such regulations as may be applicable. (See Section 52, P.L. 91-577).

- 14A. Does the applicant(s) specify that seed of this variety be sold by variety name only as a class of certified seed? (See Section 83(a), P.L. 91-577) (If "Yes," answer 14B and 14C below.) ☒ YES ☐ NO
- 14B. Does the applicant(s) specify that this variety be limited as to number of generations? ☒ YES ☐ NO
- 14C. If "Yes," to 14B, how many generations of production beyond breeder seed?  
Four (4) - see attached chart

Applicant is informed that false representation herein can jeopardize protection and result in penalties.

The undersigned applicant(s) of this sexually-reproduced novel plant variety believes that the variety is distinct, uniform, and stable as required in Section 41 and is entitled to protection under the provisions of Section 42 of the Plant Variety Protection Act (P.L. 91-577).

2-21-75  
(DATE)

2-21-75  
(DATE)

2-21-75

A. J. Norden  
(SIGNATURE OF APPLICANT) Breeder

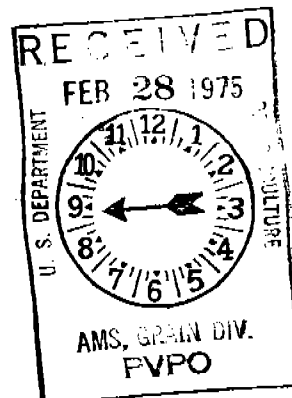
Stewart  
(SIGNATURE OF APPLICANT) U. of Florida Representative  
A. J. Oswald  
Mgr. FFSP.

## INSTRUCTIONS

**GENERAL:** Send an original copy of the application, exhibits and \$50.00 fee to U.S. Dept. of Agriculture, Consumer and Marketing Service, Grain Division, Hyattsville, Maryland 20782. Retain one copy for your files. All items on the face of the form are self-explanatory unless noted below.

## ITEM

- 5 Insert the date the applicant determined that he had a new variety.
- 12a First, give the genealogy, including public and commercial varieties, lines, or clones used, and the breeding method. Second, give the details of subsequent stages of selection and multiplication. Third, indicate the type and frequency of variants during reproduction and multiplication and state how these variants may be identified. Fourth, provide evidence on stability.
- 12b First, give any special characteristics of the seed and of the plant as it passes through the seedling stage, flowering stage and the fruiting stage. Second, describe the mature plant and compare it with a similar commercial variety grown under the same conditions, and indicate the differences.
- 12c A supplemental form will be furnished by the PVPO to describe in detail a variety for each kind of seed.
- 12d Provide complete data indicative of novelty. Seed and plant specimens may be submitted and seeds submitted may be sterile. Where possible, include photographs of plant comparisons, chemical tests, etc.
- 12e Indicate whether applicant is the actual breeder, the employer of the breeder, the owner through purchase or inheritance, etc.



## EXHIBIT A

## Origin and Breeding History of the Variety

*10/22/76*  
*ggH*  
EARLY BUNCH~~UF70115~~, currently in the F<sub>12</sub> generation, has a complex pedigree.

It was derived by pedigreed selection from a cross made at Gainesville, Florida in 1961 between two Florida breeding lines, F406A and F420. The female parent (F406A) came from a cross made in 1954 between Virginia Station Jumbo and Florida pedigree number 385-1-7-4. The male parent (F420) traces to a cross made in 1955 between Florida pedigree numbers 231-51, a small-podded line closely related to the Dixie Runner variety and 392-12-1-7, a large-podded line, closely related to the Florigiant variety. ~~UF70115~~ was tested experimentally as ~~UF70115~~ and F459B. The superiority of the strain in pod characteristics (clean and uniform) was noted each year between the F<sub>3</sub> and F<sub>5</sub> generations. Its yield potential was first evaluated in the F<sub>6</sub> generation in 1967.

*UF- 70115 should not have any known VARIABLES  
AND SHOULD BE REGARDED AS GENETICALLY  
STABLE VARIETY (letter 6/11/75)  
ggH*

7500062

EXHIBIT B

PLANT AND SEED CHARACTERISTICS OF ~~UF70115~~ *EARLY BUNCH*

10/22/76 JJA

The plants of ~~UF70115~~ have a spreading bunch growth habit.

The side branches develop in a somewhat upward angle from the central main stem giving the plants a rounded appearance compared to horizontal growth of the side branches of Florigiant (Photo 1, attached). ~~UF70115~~ would be classified botanically as a Virginia-type (Arachis hypogaea L., subspecies-hypogaea, variety-hypogaea), which means that it has the typical sequential branching pattern (alternate pairs of reproductive and vegetative nodes on side branches and no fruiting nodes on the terminal branch) similar to Florigiant and Florunner.

OBJECTIVE DESCRIPTION OF VARIETY  
PEANUT (Arachis hypogaea)

NAME OF APPLICANT(S)

Florida Foundation Seed Producers, Incorporated

ADDRESS (Street and No. or R.F.D. No., City, State, and ZIP Code)

P.O. Box 14006 University Station  
Gainesville, Florida 32601

VARIETY NAME OR TEMPORARY  
DESIGNATION

UF70115

EARLY  
BUNCH

FOR OFFICIAL USE ONLY  
PVPO NUMBER

7500062

Place the appropriate number that describes the varietal character of this variety in the boxes below.  
Place a zero in first box (e.g., 0 8 9) or 0 9 ) when number is either 99 or less or 9 or less.

1. BOTANICAL TYPE:

1 Flowering on the Main Stem: 1 = ABSENT 2 = PRESENT

1 Branching Pattern: 1 = ALTERNATE - Pairs of vegetative & reproductive branches (Virginia) 3 = OTHER (Specify) \_\_\_\_\_  
2 = SEQUENTIAL - Continuous reproductive branches (Valencia-Spanish) \_\_\_\_\_

2. PLANT:

Habit: 1 = PROSTRATE (Florunner) 2 = DECUMBENT (NC-5) 3 = SEMI-ERECT (Floripan) 4 = ERECT (Starr)  
Branching: 1 = SPARSE (Valencia) 2 = MODERATE (Starr) 3 = PROFUSE (Florunner)

3. MATURITY:

2 Region: 1 = VIRGINIA, NORTH CAROLINA 2 = S.E. UNITED STATES 3 = S.W. UNITED STATES 4 = OTHER

1 2 7 NUMBER OF DAYS TO MATURITY

0 7 NO. OF DAYS EARLIER THAN . . . . . 2 1 = STARR 2 = FLORUNNER 3 = FLORIGIANT  
4 = VIRGINIA 61R 5 = NC-2  
NO. OF DAYS LATER THAN . . . . . 6 = NC-5 7 = SOUTHEASTERN RUNNER 56-15  
8 = OTHER (Specify) \_\_\_\_\_

4. LEAVES: (Need to re-check data)

2 COLOR AT 60 DAYS: (Nickerson Color Designation): 1 = LIGHT GREEN (10GY 6/9) 2 = MEDIUM GREEN (2.5G 5/9)  
3 = DARK GREEN (5G 4/7) 4 = OTHER (Specify) \_\_\_\_\_

4 4 MM. LEAFLET LENGTH (Basal leaflet of the youngest fully opened leaf) width 27.5 mm

1 9 8 LEAFLET LENGTH/WIDTH RATIO

5. POD: (Average for 20 pods at maturity)

4 0 MM. LENGTH 1 6 MM. DIAMETER

4 6 6 8 KG./HA. POD YIELD

% LESS THAN . . . . . 1 = STARR 2 = FLORUNNER 3 = FLORIGIANT  
4 = VIRGINIA 61R 5 = NC-2  
0 0 2 % MORE THAN . . . . . 2 6 = NC-5 7 = SOUTHEASTERN RUNNER 56-15  
8 = OTHER (Specify) \_\_\_\_\_

8 0 % FANCY SIZE: (% riding 13.46 mm., 34/64 inch, spacing set on presizer roller)

## EXHIBIT D

## Data Indicative of Novelty

*EARLY BUNCH*

10/22/76  
JH  
The foliage of ~~UF70115~~<sup>^</sup> is a shade lighter green in color than other commonly grown Virginia and runner-type varieties.

~~UF70115~~ matures very early, from several to ten days earlier than Florunner or Florigiant. It has large pods and seed and grades as a commercial Virginia market-type similar to Florigiant (Photo 2, attached). Florunner, with its smaller pods and seed is a commercial runner-type. The pods of ~~UF70115~~ are comparatively uniform in size and shape and free of the slight pubescence that sometimes causes soil particles to cling to the pods of Florigiant during harvest. The peg strength of ~~UF70115~~, although slightly stronger, was not statistically different from that of Florigiant. An average force of 1100 g was required to detach mature pods from the plants of ~~UF70115~~ compared to 1080 g for Florigiant.

The seed of ~~UF70115~~ are oblong and slightly darker pink in color than Florigiant. Seedling vigor ratings have been similar to those for Florigiant as has the incidence of pod rot. A number of sister lines of ~~UF70115~~ showed considerable pod breakdown in 1972, and pod breakdown was observed in two of four farm increase fields of ~~UF70115~~ in 1974. There is some evidence that this may have been due to improper nutrition.

*EARLY BUNCH*  
Peanut Breeding Line ~~UF70115~~

PV # 7500062

*10/22/76*  
*JDH*

Revised Exhibit D

~~UF70115~~ is quite distinct and not closely comparable with any known varieties. ~~UF70115~~ has a Virginia-type branching-fruiting pattern and large pods and seed similar to "Florigiant"; but the pods of ~~UF70115~~ are free of pubescence, versus slight pubescence of Florigiants, and the average number of seed per pound has been less than "Florigiant", indicating a larger seed size.

The inside testa color of ~~UF70115~~ will be a golden color similar to "Florunner", but unlike Florigiant, which is generally white or sometimes white mottled.

~~UF70115~~ has a "bunch" plant growth habit, more similar to NC-Fla 14, and *NC-5*  
It is unlike Florigiant, Va.72R, Florunner and Early Runner which have *letter 6/4/76*  
runner plant growth habits. ~~UF70115~~ differs from NC-Fla 14 in having a *JDH*  
significantly higher shelling percentage.

The iodine value for ~~UF70115~~ will generally run four to five points above Florigiants, AND 'NC-5' (*letter 4/26/76*)

*A. J. Oswald*  
Revised Exhibit D submitted 3/19/76



Data from Table 12, "Peanut Variety and Quality Evaluation  
Results 1975" - Martin County, N. C.  
Tidewater Research and Continuing Education Center,  
Information Series No. 15, January 1976.

	<u>Iodine Value</u>
Digging I:	
<del>UF 70115</del> <i>EARLY BUNCH</i>	99.84
N-C-5 <i>10/22/76</i> <i>JOH</i>	94.12
Digging II:	
<del>UF 70115</del>	99.66
NC-5	94.12

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Data from Test 3 Replicated Trial at Gainesville, Fla.  
1972

	<u>Iodine Value</u>
<del>UF 70115</del>	101
NC-Fla.14	89

PLANT GROWTH HABIT, SEED SIZE, AND SHELLING PERCENT FOR VIRGINIA AND  
RUNNER TYPE PEANUT VARIETIES EVALUATED AT GAINESVILLE, FLORIDA 1969-75.

Variety and Market type	Plant growth habit	Number of seed per pound (SMK's)		Shelling Percent
		<u>Avg.</u>	<u>Range</u>	
<u>RUNNER</u>				
Florunner	Runner	697	598-842	78
Early Runner	Runner	857	718-967	72
<u>VIRGINIA</u>				
Florigiant	Runner	472	441-529	73
Va. 72 R <sup>1/</sup>	Runner	467	440-489	71
NC-FLA 14 <sup>1/</sup>	Bunch	425	395-450	70
UF 70115 <sup>2/</sup>	Bunch	443	398-478	74

93A  
10/22/76

- 1/ Four year average, 1972-1975 for Va. 72 R and NC-FLA 14.  
2/ Five year average, 1970-1973 and 1975 for ~~UF 70115~~.

EARLY BUNCH  
10/22/76 JDT

UF70115-7500062

5. POD (Average for 20 pods at maturity):

2	NUMBER OF SEEDS PER POD:	1 = 1	2 = 2	3 = 3	4 = 3-4	5 = 2-3-4
2	CONstriction:	1 = SHALLOW OR NONE (Virginia 56R, Argentine)		2 = MEDIUM (Virginia 61R)		3 = DEEP (Starr)
1	SURFACE:	1 = GLABROUS (Florummer)		2 = PUBESCENT (Florispan)		
2	BEAK:	1 = ABSENT	2 = INCONSPICUOUS	3 = PRONOUNCED		

6. SEED (Mature, cured but not aged):

0	5	COAT COLOR:	1 = WHITE (Pearl)	2 = CREAM	3 = TAN (Starr)	4 = BROWN	5 = PINK (Florigiant)		
			6 = RED	7 = PURPLE	8 = DARK PURPLE	9 = VARIGATED			
			10 = OTHER (Specify) _____						
1		COAT SURFACE:	1 = SMOOTH	2 = INDENTED	1	1 = UNIFORM COLOR	2 = BLEMISHED		
			1 = SPHEROIDAL (Starr)		2 = SHORT-BROAD (Florummer)	3 = ELONGATED-SLENDER (Dixie Runner)			
4		SHAPE:	4 = CYLINDRICAL-TAPERED ENDS		5 = CYLINDRICAL-BLUNT ENDS (NC-2)	6 = OTHER (Specify) _____			
2	0	MM. LENGTH	1	1	MM. WIDTH	1	0	3	GRAMS PER 100 SEED (8% Moisture)

7. DISEASE RESISTANCE: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

0	SOUTHERN STEM ROT	0-1	RUST
0	EARLY LEAF SPOT	0	VIRUS X
0-1	SOUTHERN LEAF SPOT	0	MOSAIC
0-1	POD ROT COMPLEX		OTHER (Specify) _____

8. INSECT RESISTANCE: (0 = Not Tested, 1 = Susceptible, 2 = Resistant)

0	THRIPS	0	BURROWING BUG
0	LEAF HOPPER	0	NEMATODE (Specify species)
0	SOUTHERN CORN ROOTWORM	0	LESSER CORNSTALK BORER
0	APHID		OTHER (Specify) _____

9. COMPARISON OF SUBMITTED VARIETY WITH ONE OR MORE SIMILAR VARIETIES:

VARIETY	OIL* (%)	PROTEIN* (%)	OLEIC: * LINOLEIC ACID RATIO	IODINE* NUMBER	SHELLING (%)	SMK** (%)	ELK+ (%)	MAIN STE HEIGHT (CM)
UF70115 SUBMITTED	52.1	25.3	1.20	100	74	70	50	
Florigiant SIMILAR	51.6	24.8	2.05	93	71	67	43	
NAME OF SIMILAR VARIETY								

\* From Sound Mature Kernels

\*\* Sound Mature Kernels

+ Extra Large Kernels

10. INDICATE A VARIETY WHICH MOST CLOSELY RESEMBLES THAT SUBMITTED:

CHARACTER	VARIETY	CHARACTER
POD COLOR	VA.72R	SEEDLING VIGOR
SEED DORMANCY	Florigiant	HULL THICKNESS
SEED SIZE	Florigiant	LEAF COLOR

11. COMMENTS (Additional description or clarification - Such as: Relative disease reactions may be compared with standard varieties)

AMS, SWAN DIV.  
PVPO

Average of Data from Test 3 at Gainesville, Florida in 1970-71

	<i>EARLY BUNCH</i>				
	UE70115	NC-Fla.14	NC-5	NC-17	
Growth Habit <u>1/</u>	<i>10/23/76</i> <i>89%</i>	8.3	6.9	8.4	7.2
Percent Va. Pods		80	89	75	85
Percent Meat <u>3/</u>		76	72	74	75
Gram Weight per 100 seeds		97	106	85	105
Percent ELK <u>4/</u>		53	59	50	61

1/ Growth habit is the measured angle of branching from the main stem. 9=side branches at 90° angles to the main stem (runner); 6= branches at 60° angles to the main stem (upright bunch).

3/ All kernels in shelling sample including sound mature kernels, sound splits, other kernels and damaged kernels.

4/ Percent Extra Large Kernels - the kernels which ride a 21.5/64 x 1 inch screen.

7500062

EARLY BUNCH

10/22/76

JDW

EXHIBIT E

Basis of Applicant's Ownership

Florida Foundation Seed Producers, Incorporated is the representative of the University of Florida Agricultural Experiment Stations, through a Memorandum of Understanding, for releasing and maintaining stocks of varieties developed by the University of Florida.

Dr. A. J. Norden, a staff member of the University of Florida Agronomy Department, developed and tested this variety in trials as ~~UF70115~~ and F459B and proved it worthy of release as a new variety.

The Florida Foundation Seed Producers, Incorporated, has, therefore, sole rights for increase and distribution of Breeder seed increased and maintained under the guidance of the breeder.

7500062

SEED PRODUCTION CHART FOR UB70115 PEANUTS

<u>Seed Producer</u>	<u>Class of Seed</u>
Florida Agricultural Experiment Station	Breeder
Foundation Seed Organizations	Breeder Increase
Foundation Seed Organizations	Foundation
Seedsmen/Farmers	Registered
Seedsmen/Farmers	Certified
Farmers	Peanuts

Provides for one generation of increase of Breeder seed by  
Foundation Seed organizations to hedge against production  
hazards. Any steps can be by-passed but not extended.